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U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No.  
IMMR-0097B

Serial No.  
10/782,953

### Information Disclosure Statement by Applicant

**Applicant:**  
**Erik J. Shahoian**

(Use several sheets if necessary)

Filed:  
February 23, 2004

Group:  
2673

## U.S. Patent Documents

Init.

A

Document No.

Date \_\_\_\_\_

Name \_\_\_\_\_

Padula et al.

Class

Subclass

Filing Date

## Foreign Documents

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Init.

Document No.

Date \_\_\_\_\_

Country

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**Class**

Subclass

### Translation

☐ Yes

No

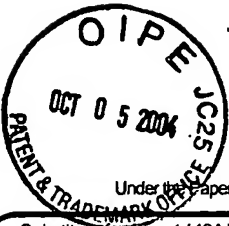
**Other Documents (Including Author, Title, Date, Pertinent Pages, etc.) .**

Examiner

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Date Considered	04/11/2007
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(2 of 2)

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 5

**Complete if Known**

Application Number	10/782,953
Filing Date	February 23, 2004
First Named Inventor	Erik J. Shahoian
Art Unit	2673
Examiner Name	Unassigned
Attorney Docket Number	IMMR060/04US

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
/L.L./		3,875,488	04-1975	Crocker et al.	
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/L.L./		5,381,080	01-1995	Schnell et al.	
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/L.L./		6,088,017	07-2000	Tremblay et al.	

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
/L.L./		EP	0085518	A1			
		EP	875819				
		WO	95/32459				
		WO	97/21160				
/L.L./		WO	00/21071				

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/782,953
		Filing Date	February 23, 2004
		First Named Inventor	Erik J. Shahoian
		Art Unit	2673
		Examiner Name	Unassigned
		Attorney Docket Number	IMMR060/04US
Sheet	4	of	5

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
/L.L./		Adachi et al., "Sensory Evaluation of Virtual Haptic Push-Buttons," Technical Research Center, Suzuki Motor Corp., 1994.	
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		Colgate et al., "Implementation of Stiff Virtual Walls in Force-Reflecting Interfaces," Northwestern University, IL, 1993., pp. 1-8.	
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		Hirota et al., "Development of Surface Display," IEEE 0-7803-1363-1, 1993, pp. 256-262.	
		Howe et al., "Task Performance w/ a dextrous Teleoperated Hand System," Proc. of SPIE, vol. 1833, 1992, pp. 1-9.	
↓		Kelley et al., "On the Development of a Force-Feedback Mouse and Its Integration Into a Graphical User Interface," Symp. on Haptic Interfaces for Virtual Envir. and Teleoperator Systems, 1994 Int'l Mech. Eng. Congress and Exhibition, Nov. 1994.	
/L.L./		Kilpatrick et al., "The Use of Kinesthetic Supplement in an Interactive Graphics System," University of North Carolina, 1976, pp. 1-172.	

Examiner Signature	/Lun Lao/	Date Considered	04/11/2007
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Sheet 5 of 5

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**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
/L.L./		Millman et al., "Design of a 4 Degree of Freedom Force-Reflecting Manipulandum with a Specified Force/Torque Workspace," IEEE CH2969-4, 1991, pp. 1488-1493.
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/L.L./		Yokokoji et al., "What you can see is what you can feel," IEEE 0-8186-7295-1, 1996, pp. 46-54.

Examiner  
Signature

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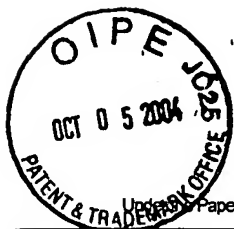
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/L.L./		6,448,977	9/10/2002	Braun et al.	
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/L.L./		JP	H2-185278		7/19/1990	Taito Corporation	
		JP	H4-8381		1/13/1992	Epoch Co. and Key- Planning Co.	
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		JP	H5-192449		8/3/1993	Taito Corporation	
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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/782,953
		Filing Date	February 23, 2004
		First Named Inventor	Erik J. Shahoian
		Art Unit	2673
		Examiner Name	Unassigned
Sheet 3 of 3	Attorney Docket Number	IMMR060/04US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>4</sup>
		Office <sup>1</sup>	Number <sup>2</sup>	Kind Code <sup>3</sup> (if known)			
/L.L./	B1		WO 00/03319			01/20/2000	
	B2		WO 98/32112			07/23/1998	
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/L.L./	B11		S62-194389			12/10/1987	

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<sup>1</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>2</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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